SUGARCANE / BIOMASS BASED SOLAR THERMAL HYBRID TECHNOLOGY FOR ENERGY INDEPENDENCE

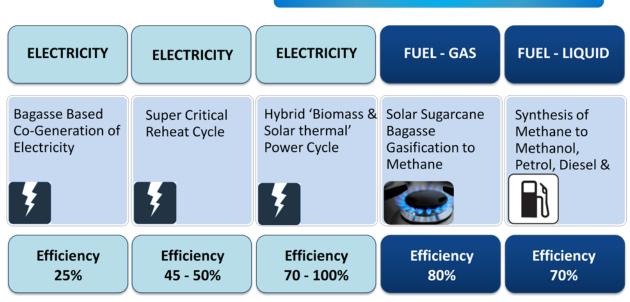
SUSTAINABLE ENVRONMENT DEVELOPMENT IN VILLAGES

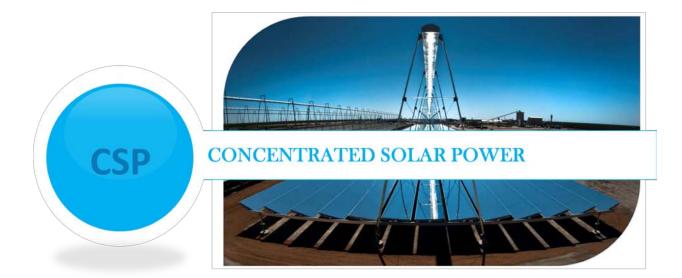
Ву

Vivek Verma

MISSION

Dedicated for Sustainable Environment Development to Unlock Perpetual Food and Energy Resources by Encouraging Innovation with Excellence.



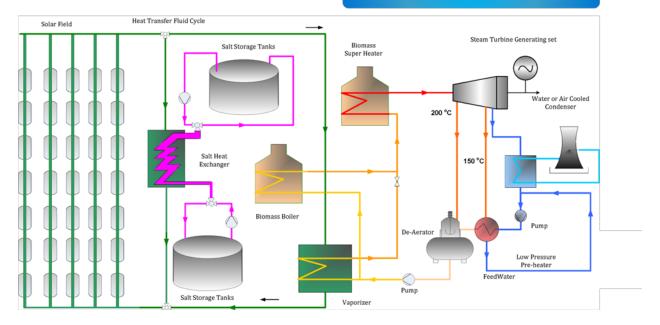


SUGARCANE BIOMASS VALUE ADDITIONS

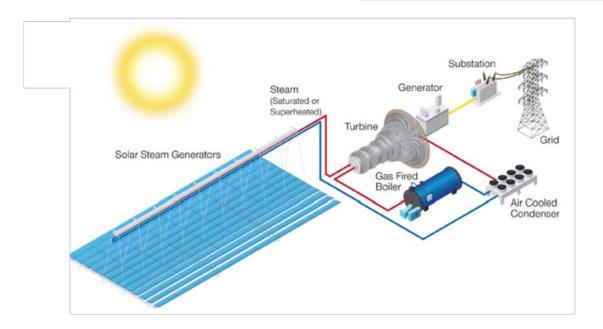
CONCENTRATED SOLAR POWER

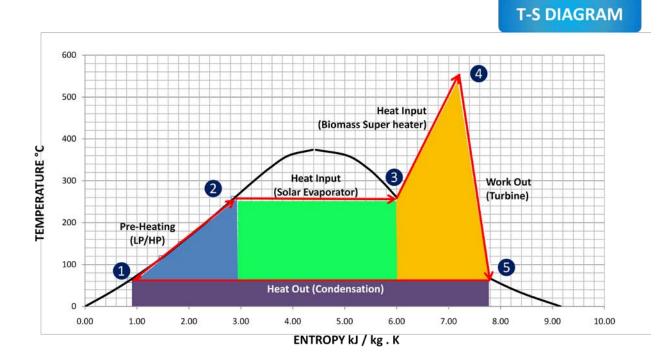


CONCENTRATED SOLAR POWER

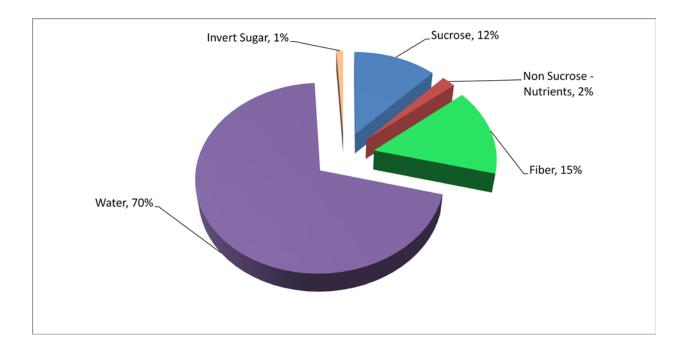


CONCENTRATED SOLAR POWER

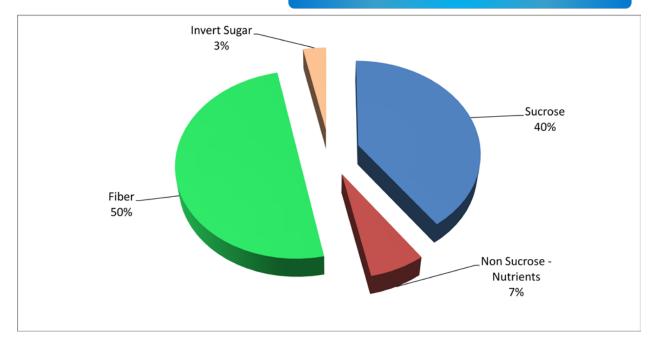




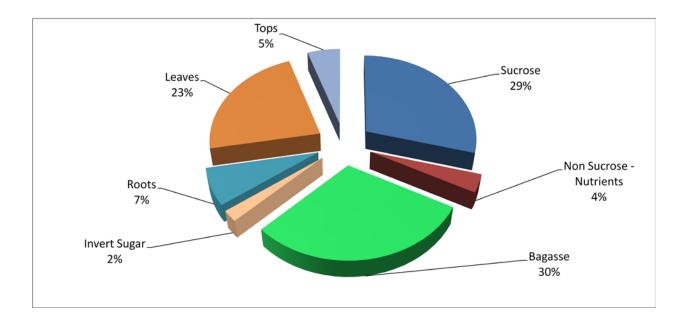
SUGARCANE MASS COMPOSITION

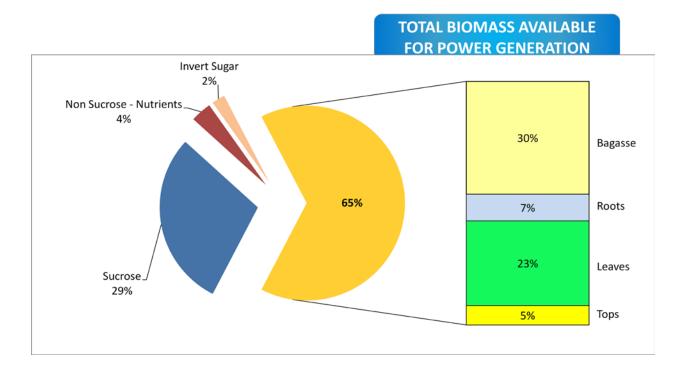


SUGARCANE DRY BIOMASS COMPOSITION

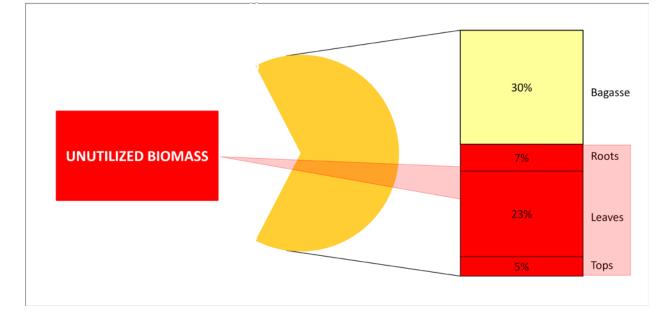


SUGARCANE DRY BIOMASS COMPOSITION

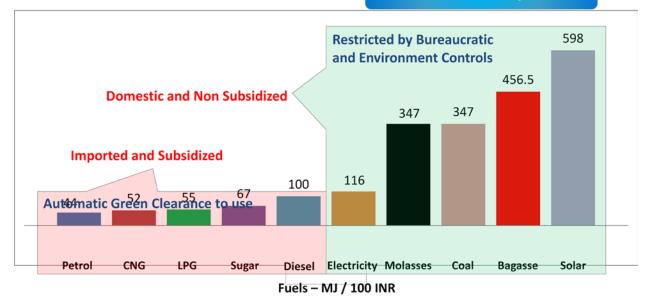




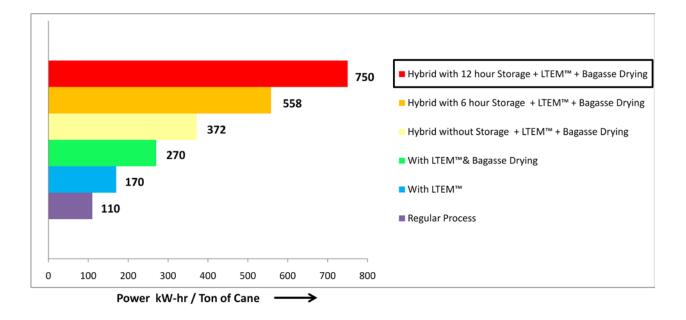
UNUTILIZED BIOMASS



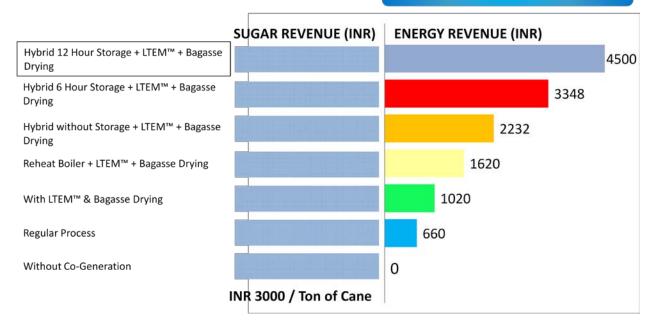
ENERGY VALUE: MJ / 100 INR



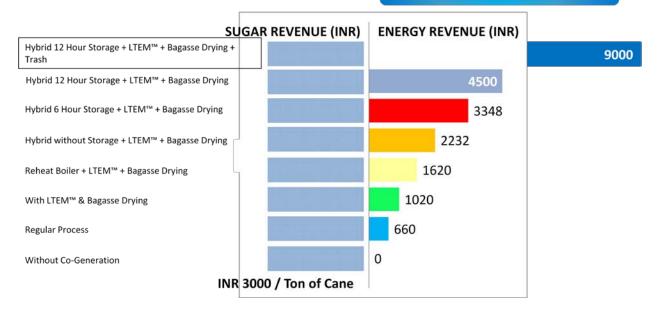
SUGARCANE VALUE OPTIONS

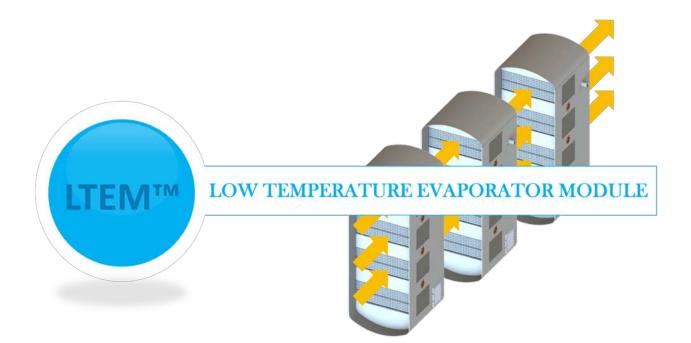


SUGARCANE VALUE OPTIONS



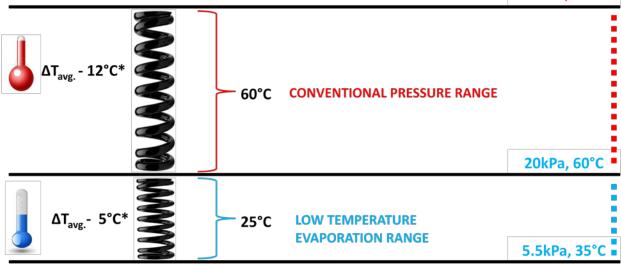
SUGARCANE VALUE OPTIONS



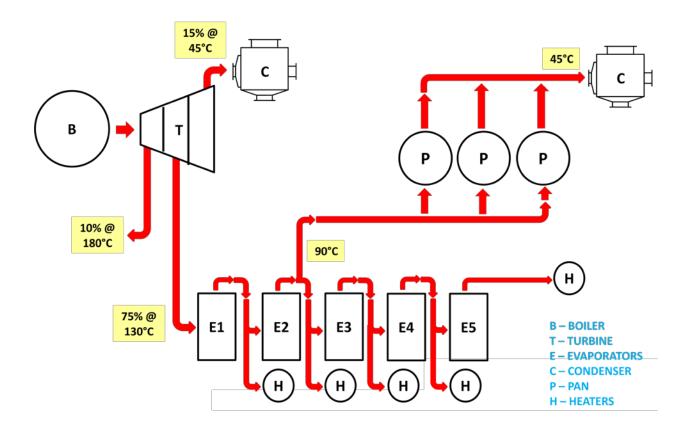


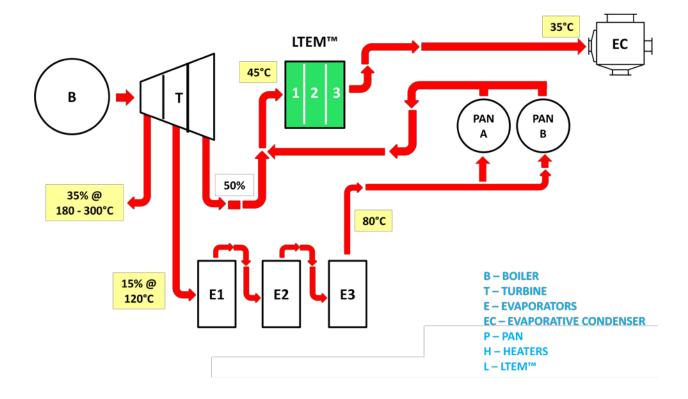
WHY LOW TEMPERATURE EVAPORATION?

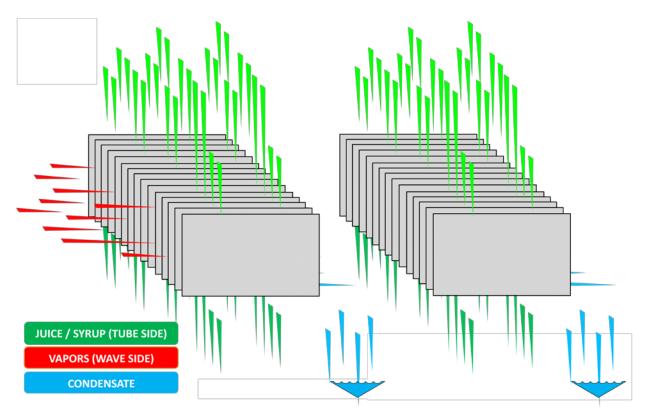
200kPa, 120°C



*Temperature differences for **five effects** of Multi Effect Evaporator



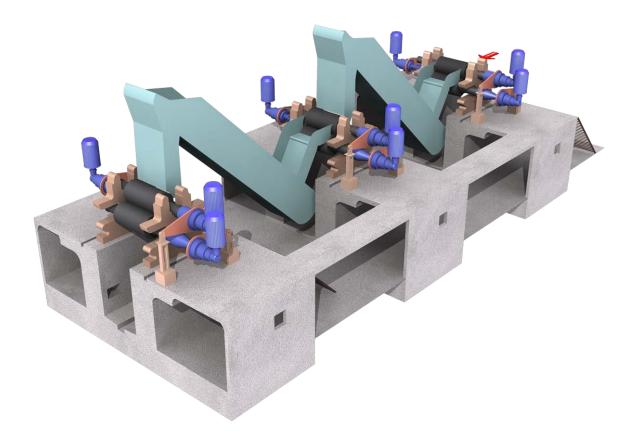




42" x 84", 4 ROLL MILL: JAY MAHESH SUGAR, INDIA

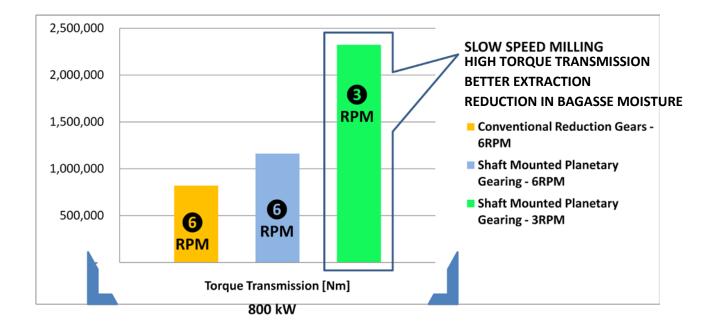
FEED SIDE

Ref: "Innovative Energy Efficient Milling Train" Paper presented at: XXVIII Congress of International Society of Sugar Cane Technologists, Sao Paulo (Brazil), 23rd to 27th June, 2013.

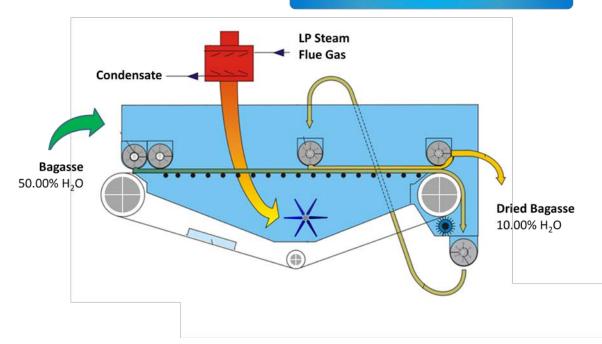


SHAFT MOUNTED PLANETARY DRIVES

POWER / TORQUE TRANSMISSION







LOW TEMPERATURE BAGASSE DRYER

LOW TEMPERATURE BELT DRYER





Solar Thermal Hybrid Power Plants can replace all forms of Fossil Fuels based energy resources.

Energy and food production in scarcely populated rural areas of the country will bring economic equality and prosperity.

Forex spared from fuel import will be available for infrastructure development which will automatically reinforce the economy and eliminate poverty.

ENERGY SOURCED FROM VILLAGES

We can adopt Hybrid Biomass & Solar Thermal Power and Fuel Generation Technology to generate its entire energy from villages and bring global competitiveness and achieve energy independence utilizing surplus Biomass

> THANKS FOR YOUR VALUABLE TIME TO UNDERSTAND OUR PROPOSALS